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 MAR 12 2001
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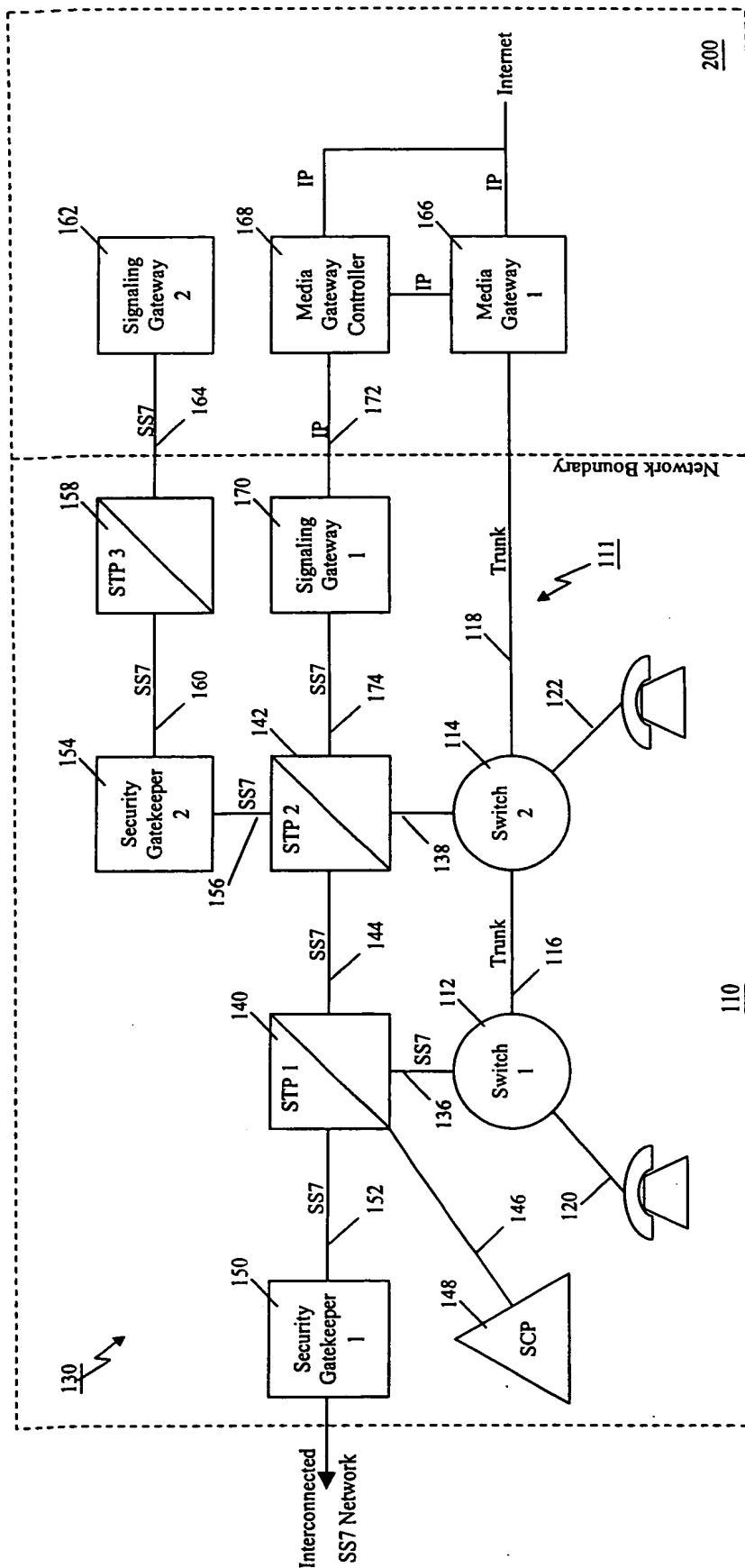


Figure 1

FIG. 1

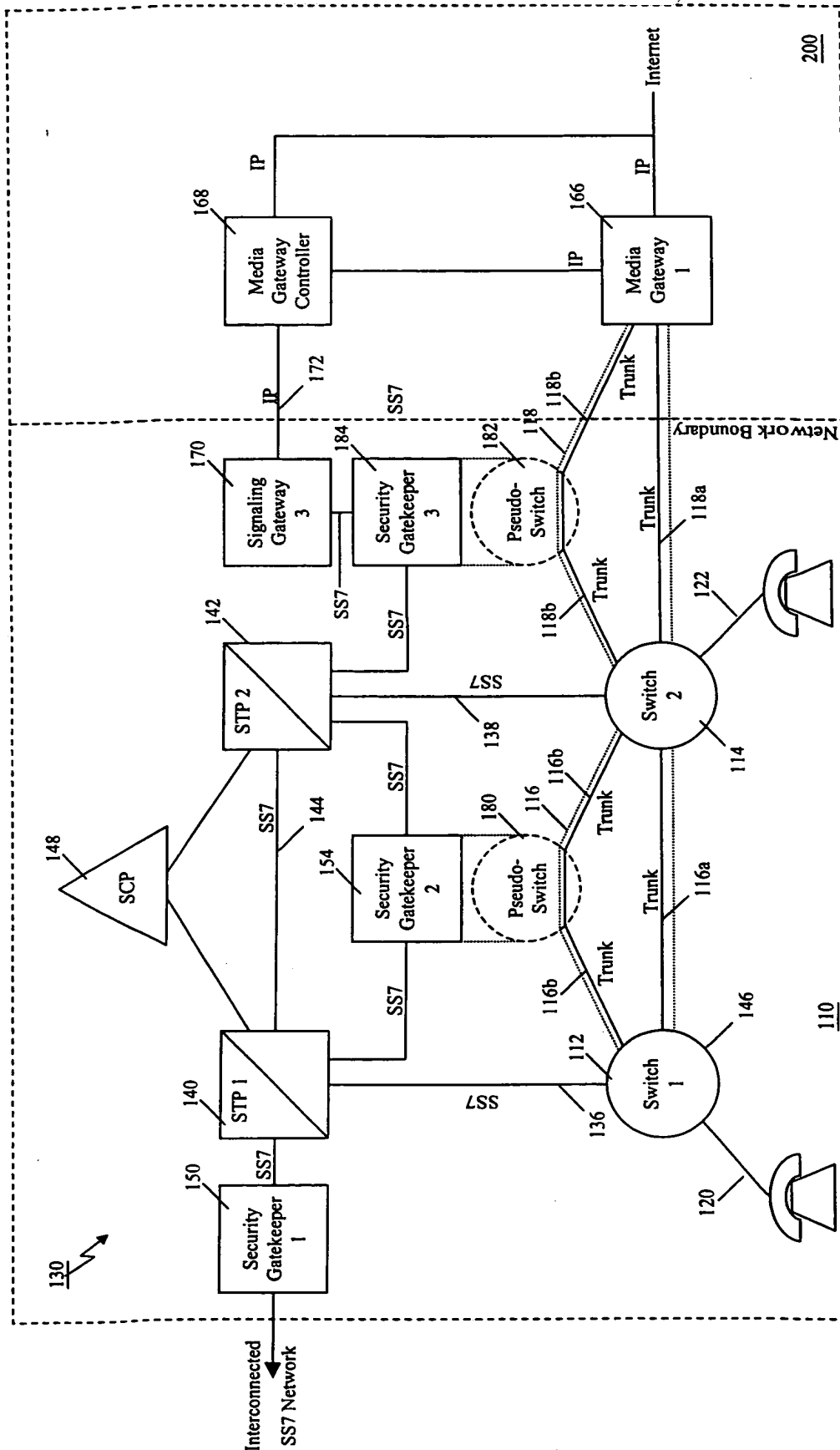


Figure 2

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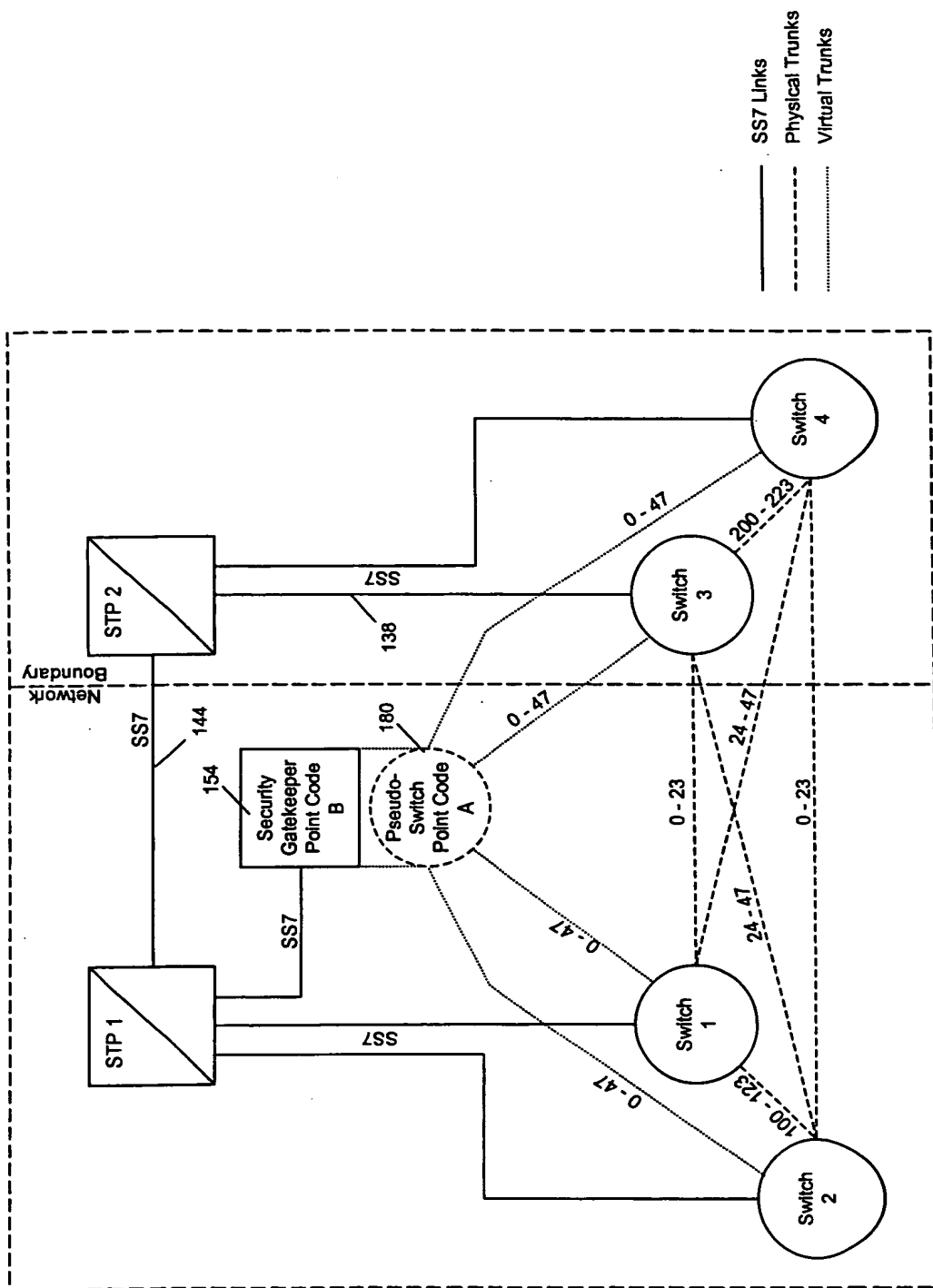


Figure 3

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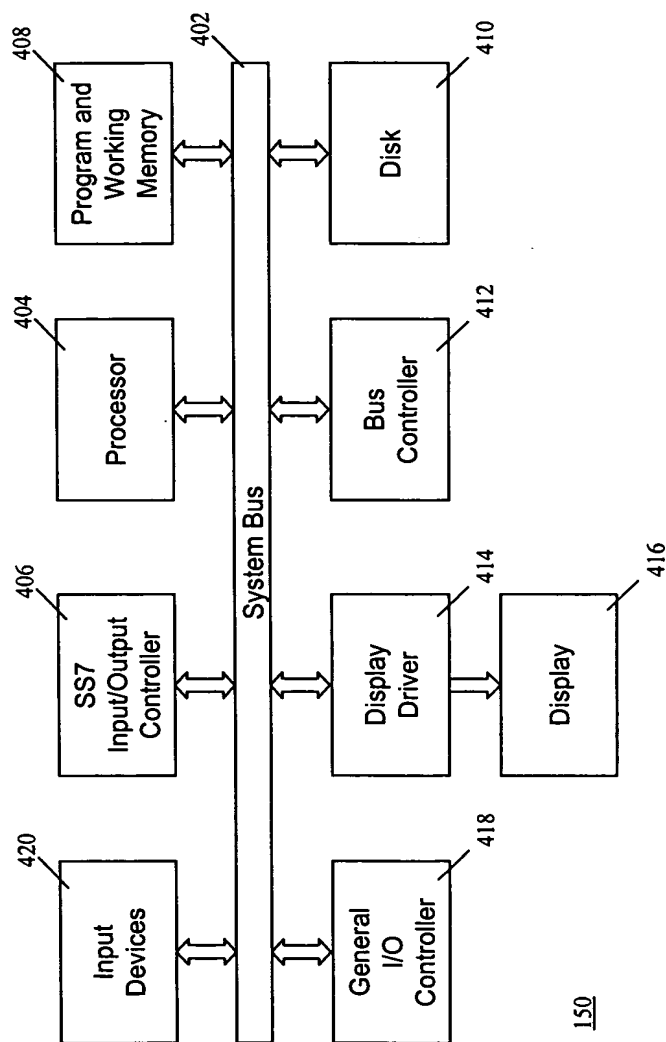
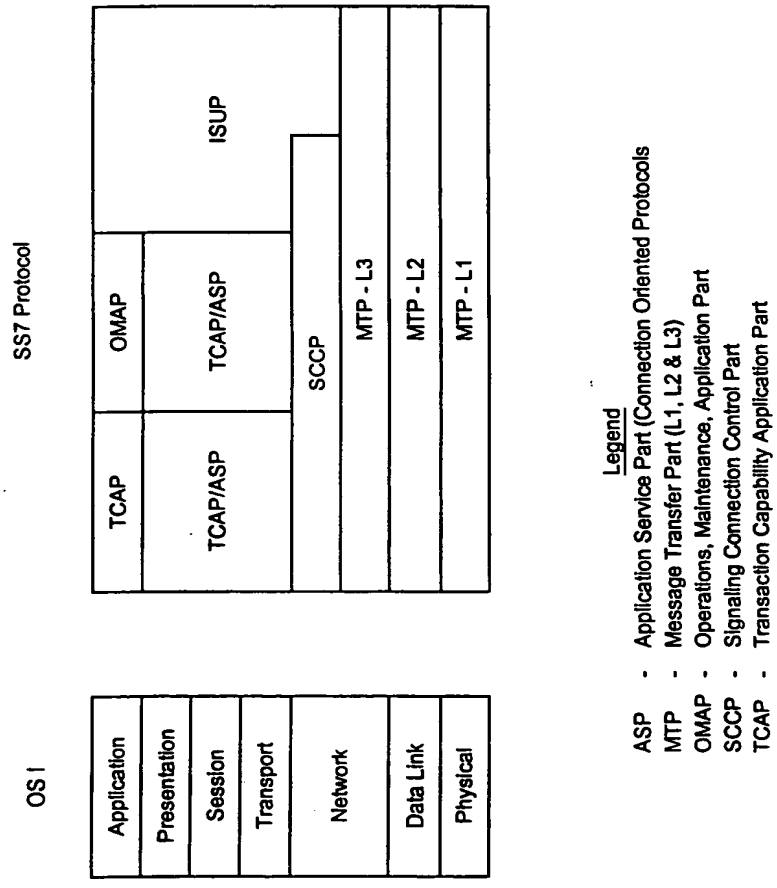


Figure 4

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- Legend
- ASP - Application Service Part (Connection Oriented Protocols)
 - MTP - Message Transfer Part (L1, L2 & L3)
 - OMAP - Operations, Maintenance, Application Part
 - SCCP - Signaling Connection Control Part
 - TCAP - Transaction Capability Application Part

Figure 5

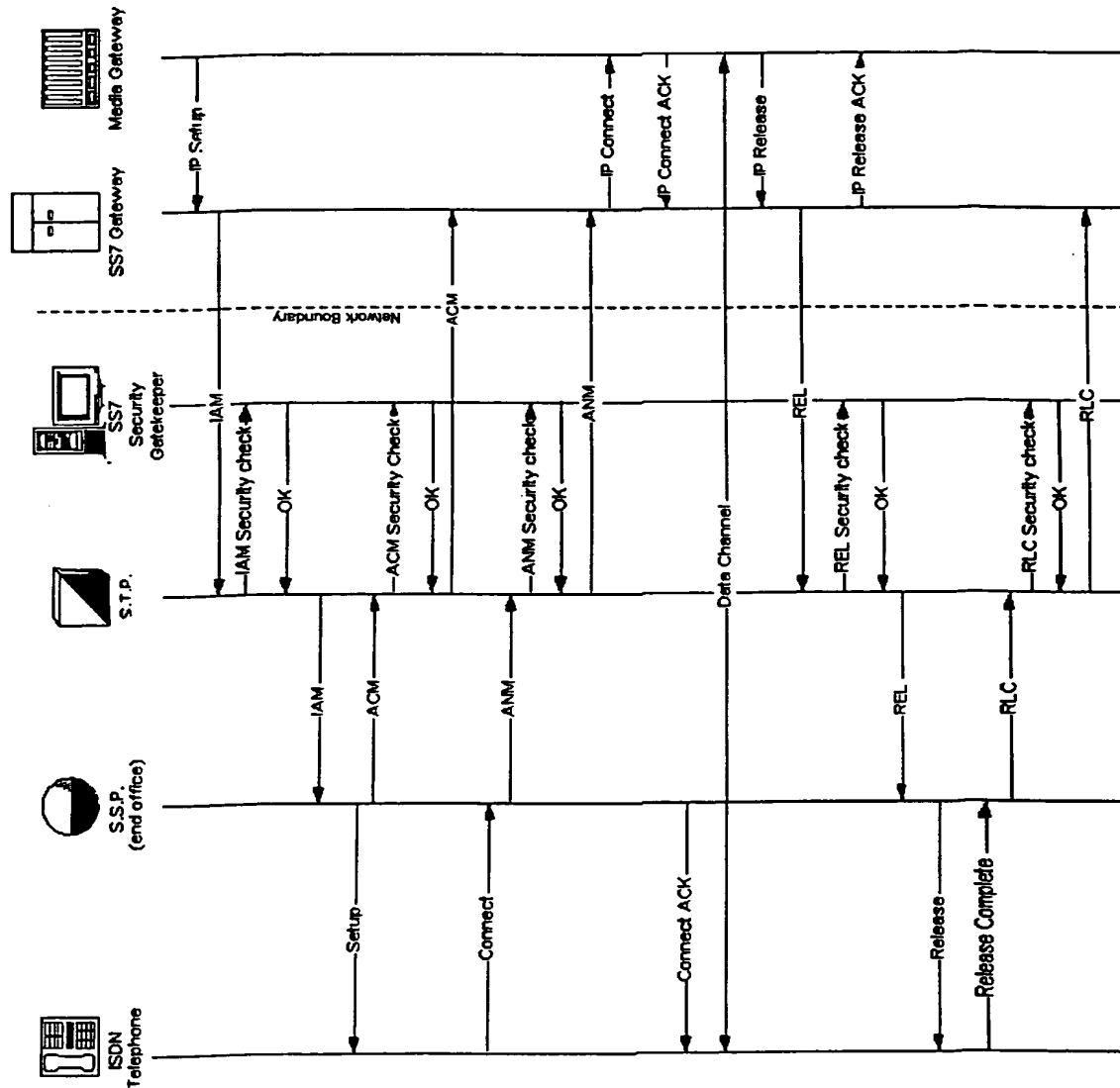


Figure 6

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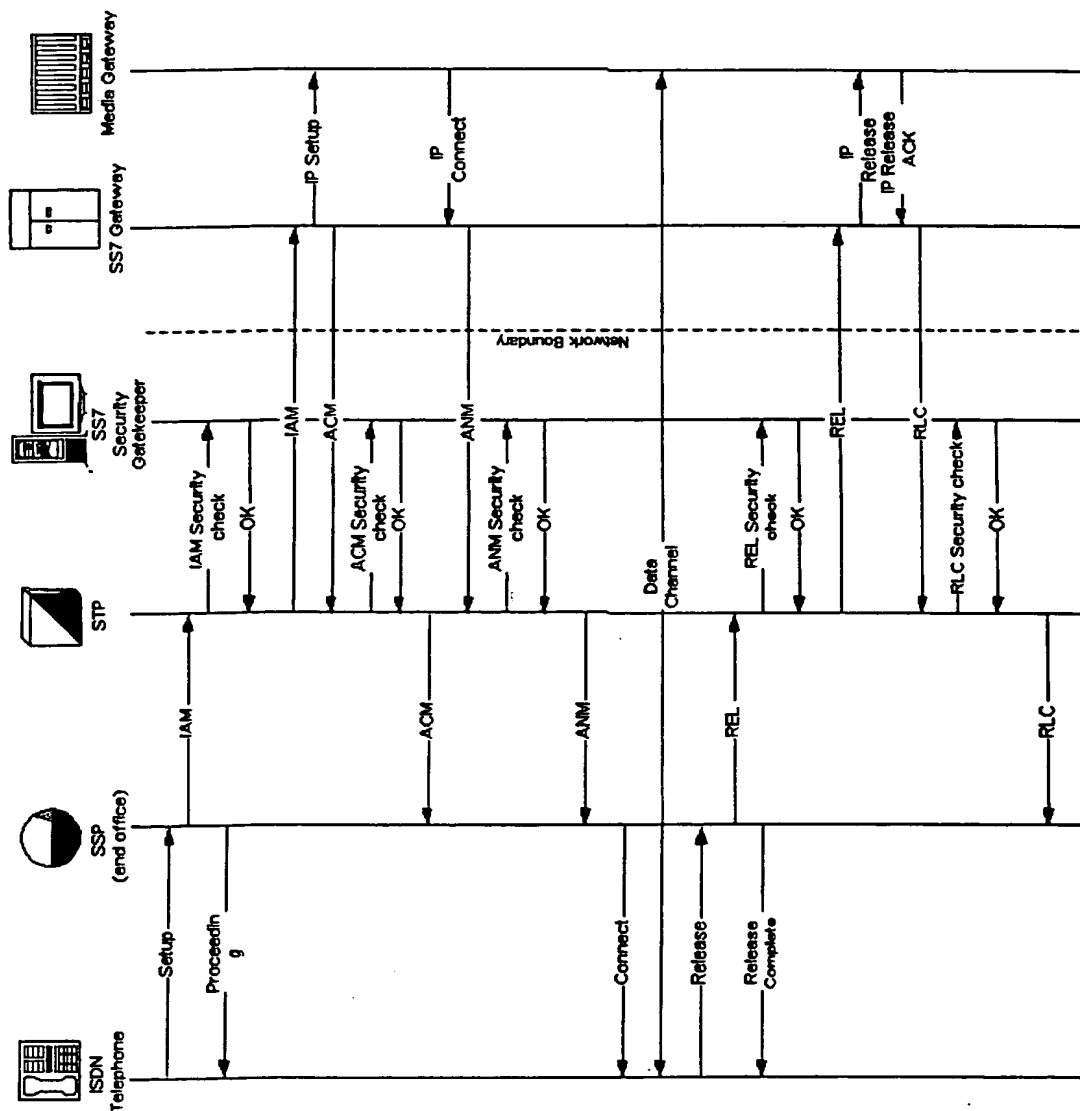


Figure 7

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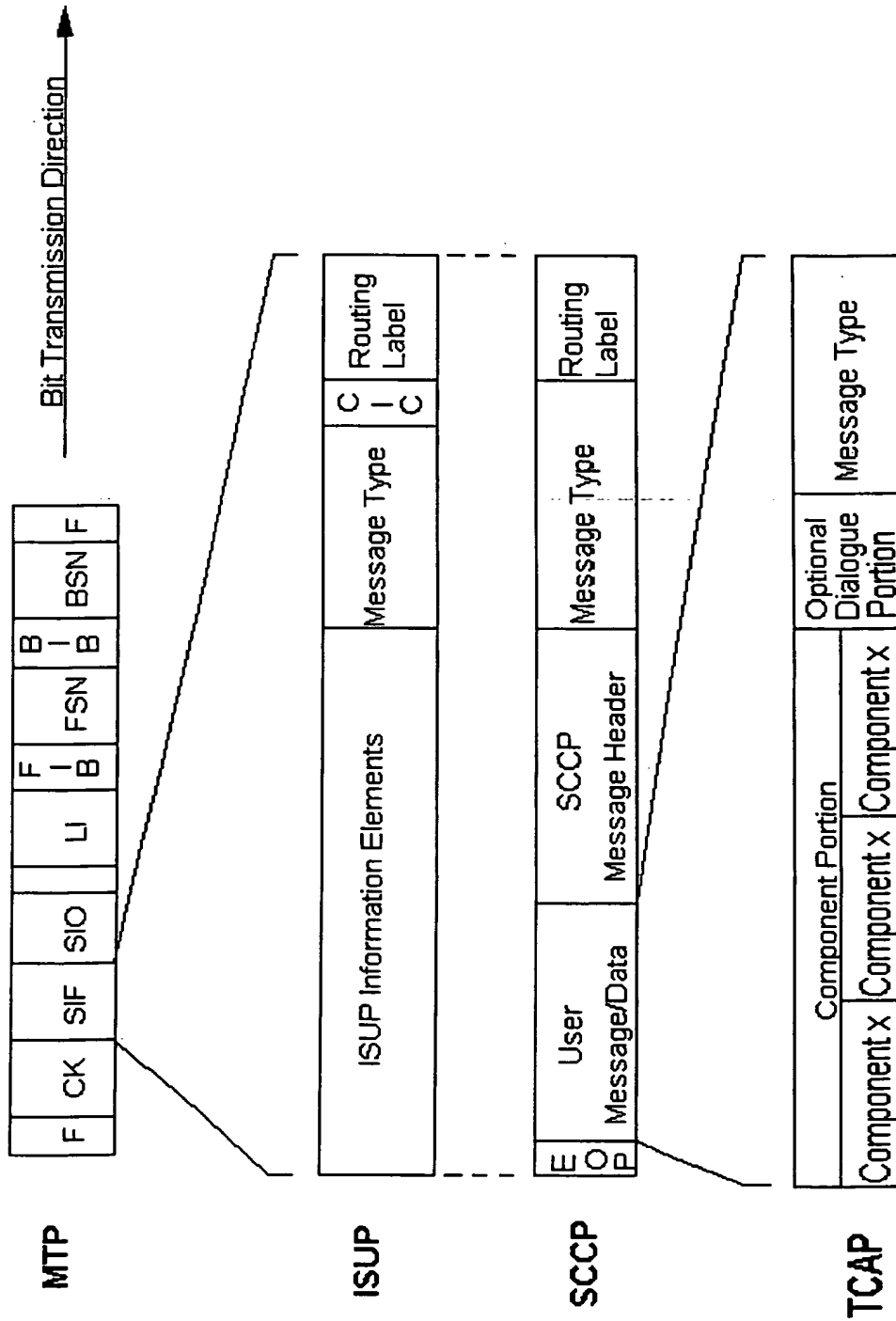


Figure 8

ISDN User Part Message Format Coding
(LSSGR GR-606, Iss. 3 1/99)

Flag	8	7	6	5	4	3	2	1
A	0	1	1	1	1	1	1	0
Forward sequence Information	BSN/ BIB		Backward Sequence Number					
Backward Sequence Information	FSN/ FIB		Forward Sequence Number					
Message length Indicator	Spare		Length Indicator					
Service Information	National Network Opt.		Mess Priority	MTP User Part (ISUP)				
Routing Label	↑		Destination Point Code					
	↓							
	↑		Origination Point Code					
	↓							
CIC			Signaling Link Selection					
Message Type			Circuit Identification Code					
			Message Type					
ISUP Information Element	ISUP Parameters							
Check Bits			Check Bits					

Figure 9



Security Context
Security Context Length Indicator Parameter
Security Context Parameter Value

Figure 11

Security Context Values

Value	Meaning
0	Not used.
1	Data Encryption Algorithm
2	Integrity Check
3	Message Code Authentication
4	Sequence, Timestamp and Identification

Figure 12

Name of ISUP Parameter
Length Indicator Parameter
Parameter Content
•
•
•
•
Name of ISUP Parameter
Length Indicator Parameter
Parameter Content

Figure 10



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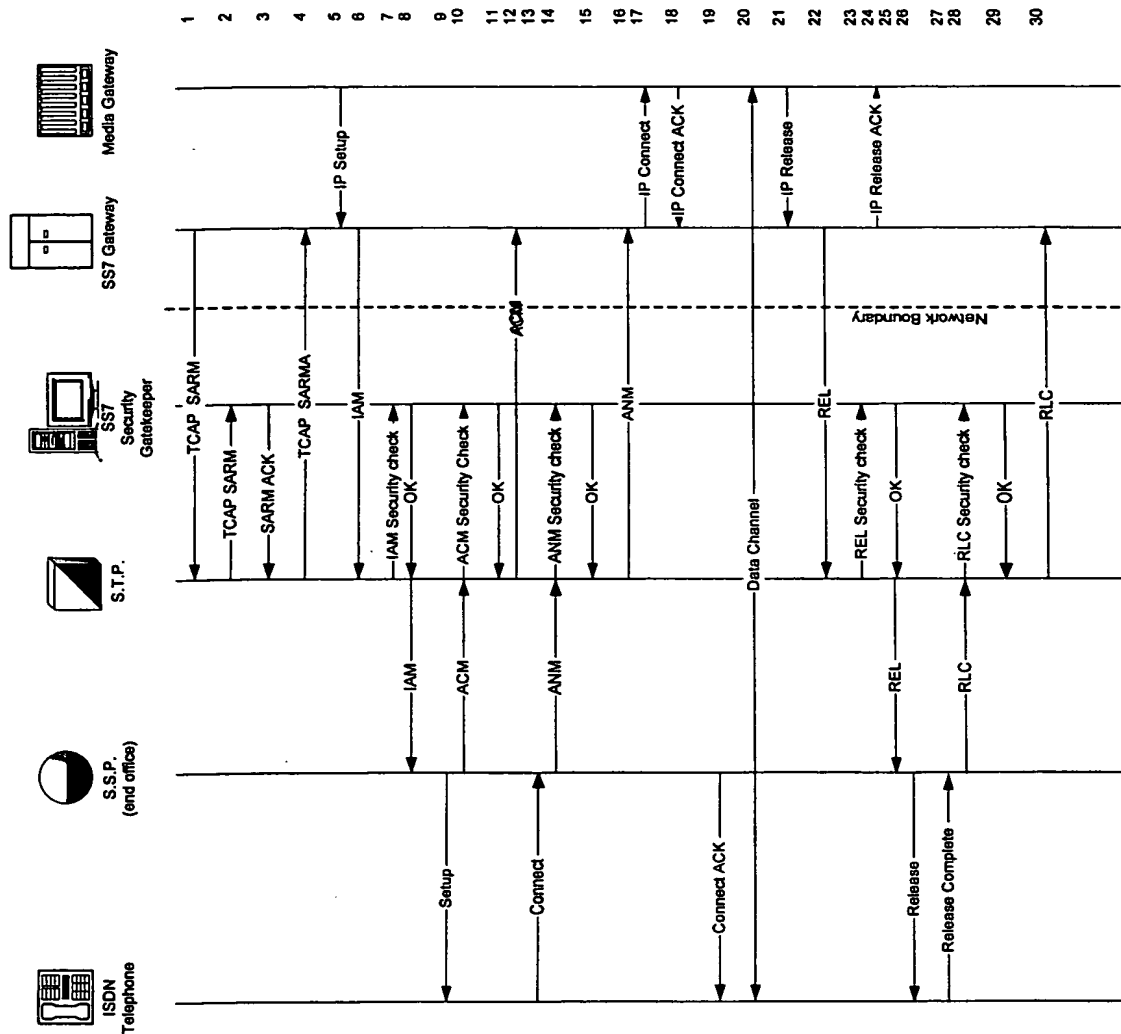


Figure 13



Initial Address Message

SIO and Routing Label
CIC Low-Order Octet
2-bits spare
CIC High-Order 6-bits
Message Type = 1
Nature of Connection Indicators
Forward Call Indicator Bits H..A
Forward Call Indicator Bits P..I
Calling Party Category
Offset of 1st Mandatory Var. Parameter
Offset of 2nd Mandatory Var. Parameter
Offset of Start of Operational Part
Length Indicator of User Service Info
User Service Information
No. of Octets = Length Indicator Value
Length Indicator of Called Party No.
Called Party Number
No. of Octets = Length Indicator Value
Optional Parameter Code
Optional Parameter Length Indicator
Optional Parameter
No. of Octets = Length Indicator Value
End of Optional Parameters Indicator

Fig. 15

Address Complete Message

SIO and Routing Label
CIC Low-Order Octet
2-bits spare
CIC High-Order 6-bits
Message Type = 6
Backward Call Indicator Bits H..A
Backward Call Indicator Bits P..I
Offset to Start of Optional Part
Optional Parameter Code
Optional Parameter Length Indicator
Optional Parameter
No. of Octets = Length Indicator Value
End of Optional Parameters Indicator

Fig. 16



Release Message

SIO and Routing Label	
CIC Low-Order Octet	
2-bits spare	CIC High-Order 6-bits
Message Type = 12	
Offset of 1st Mandatory Var. Parameter	
Offset of Start of Operational Part	
Length Indicator of Cause Indicators	
Release Cause Indicator Parameter No. of Octets = Length Indicator Value	
Optional Parameter Code	
Optional Parameter Length Indicator	
Optional Parameter No. of Octets = Length Indicator Value	
End of Optional Parameters Indicator	

Fig 18

Answer Message

SIO and Routing Label	
CIC Low-Order Octet	
2-bits spare	CIC High-Order 6-bits
Message Type = 9	
Offset to Start of Optional Part	
Optional Parameter Code	
Optional Parameter Length Indicator	
Optional Parameter No. of Octets = Length Indicator Value	
End of Optional Parameters Indicator	

Fig. 17

Release Complete Message

SIO and Routing Label	
CIC Low-Order Octet	
2-bits spare	CIC High-Order 6-bits
Message Type = 16	

Fig. 19

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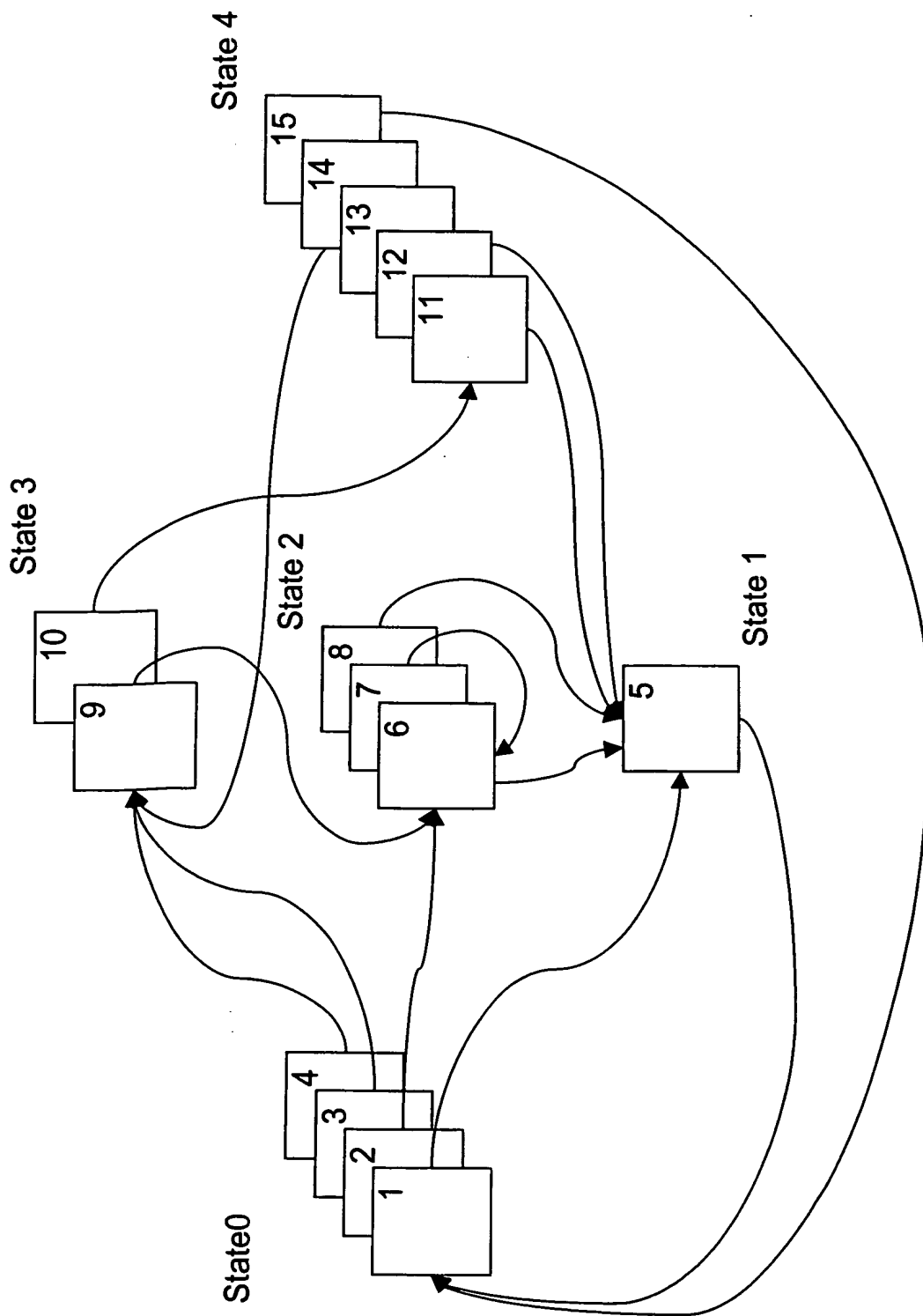


Fig. 20

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